



NEWS RELEASE
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AMERICA'S AEROSPACE ADVANTAGE

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Four teams awarded for excellence in first quarter 2003

ARNOLD AIR FORCE BASE, TENN. - Four project teams at Arnold Engineering Development Center (AEDC) were honored as winners of the First Quarter 2003 AEDC Team Excellence Award.

They are the Joint Strike Fighter (JSF) Jet-Effects TD Test Team, the Lightning Protection Team, the Jacobs Sverdrup (JS)-Government Tool Control Team and the ACS Materials Management Distribution Team.

JSF Jet-Effects TD Test Team

The JSF Jet-Effects TD Test Team was cited for its performance in achieving quality test results for a critical wind tunnel test of the Joint Strike Fighter in the 16-foot transonic wind tunnel.

The team's mission was to ensure technical, schedule and fiscal success of the JSF-Jet effects wind tunnel test. The six-week, three-shift operation resulted in unique data insights and precise simulations of the test article propulsion plumes in significantly less time than anticipated. The resulting cost savings allowed the customer to obtain additional critical data in time to meet their Preliminary Design Review (PDR) of the vehicle.

During the test, the team developed a testing methodology that eliminated the shifts in the primary balance data while reducing the amount of repeat runs, allowing the project to stay on schedule and resulting in more savings to the customer.

After the preparation of the test apparatus, numerous check loadings of the balance instrumentation and expert analysis of the results were fundamental to the successful qualification of the test article.

Team members included Jacobs Sverdrup (JS) employees Reggie Riddle, Charlie Smith, Greg Fox, Charles Nelson, Susan Oliver, Joe Addair, Darhl Frazier, Sandy MacLanahan, Melissa Miller, Willa Mosley, Ruth Sanders, Marvin Sellers, David Rollins, Trent Loman, Kathy Shirilla, Gail Bryant, Dave Cahill, Jack Young, Wayne Knight, Clark Wright, Craig Russell, Mike Hamby, Barry McCann, Stan Richardson, Mark Sain, Roger Scott, Mark Andrews, David Lanham, Gary Knox, Chris Leone, Larry Towry, John Ledbetter, Bob Brim, Tom Barr, Ray Dace, Will Miller, Michael Spencer, Tom Wilden, Sue Hampton, David Beard, Win Stacey, Keith Osborne, Ted Boswell, Willie Hill and Chuck Wilkerson. Government personnel on the team included Marc Skelley.

Lightning Protection Team

The Lightning Protection Team was cited for demonstrating exceptional knowledge of lightning protection requirements, employing leading edge analysis in a benchmark program and successfully upgrading systems in nine facilities in six weeks.

The team's mission was to provide lightning protection system (LPS) upgrades to nine facilities that have a high risk for damage from a lighting strike.

With the severe weather season fast approaching, the Air Force requested in February the immediate LPS installation/upgrades for as many of the 24 at-risk facilities as possible before the April 2003 lightning season. A joint Air Force, Jacobs Sverdrup and ACS team identified 8 facilities to be completed by the required completion date. By that date, the team managed to upgrade, rather than replace, 9 mission-critical facilities at more than \$10,000 under the cost estimate.

After researching expensive software, the team developed unique methods of analysis and modified existing AUTOCAD software to use "rolling sphere technology," which involves rolling an imaginary 100-foot sphere over a structure, determining the locations of lightning protection on the building.

Additionally, the work involved excavating ditches for the placement of a grounding grid, the installation of grounding and lightning rods and bonded conduit, and the bonding and grounding of fire protection systems.

Team members included ACS employees Tony Acklen, Carl Bauer, Mark S. Clark, Thomas L. Coker, Richard Crouch, Christopher Davison, Stephen George, Gary C. Gray, Charles E. Hill, Joe Leeser, Bill Looney, Virgle McGlothlin, Mike Melson, Johnny Minor, Jess Reed, Tony Rollins, Richard Sells, Dale Smith, Alice Sparks, Michael Summers, Paul Thornton, Jerry Travis and Vicki Vertrees and JS employee Wayne Jennings. Government personnel included John Laviolette and MSgt Russell Roosa.

JS-Government Tool Control Team

The JS-Government Tool Control Team was cited for outstanding leadership and participation in changing a 50-year-old tool culture to better serve AEDC customers and workforce.

The team's mission was to improve tool control practices at AEDC by identifying and correcting issues through a collaboration effort among contractor departments and the government.

Developing a tool control management plan within a six-month window, the plan included new processes for lost tool replacement, tool collection and inventory, and tool redistribution through the tool issue center.

Over the five months, the team implemented a three-tiered audit process, resulting in the inspection of over 450 toolboxes, cribs and areas for unauthorized tools. The final report card indicated a passing rate of 98.1 percent for boxes/cribs and 92.7 percent for no unauthorized tools in adjacent areas.

Team members included JS employees Dave Eldridge, Larry Roberts, Gary Casteel, Pat Reynolds, Susan Rhodes, Howard Hall, Greg Otwell, John Mansfield, Roger Kraft, Mike Rampy, Roger Sanson, Rick Kamykowski, John T. Long, Dan Williams, Dave Roden, James Ordway, Ron McFarlane, Danny Patterson, Monte Perkins, Ted Lester, David Reep, Harold Baxter, Ed Mickle, Ronnie Harville and Doug Gonnion. Government personnel included Navy Lt. Cmdr. Mark Goodale and Chief Master Sgt. David Compton.

ACS Materials Management Distribution Team

The ACS Materials Management Distribution Team was cited for improving the number of items delivered to AEDC customers within one day and increasing productivity in a six-month period.

The team's mission was to enhance material distribution processes to increase material availability to our AEDC customers by reducing cycle times and processing costs. With a goal of producing new initiatives that would increase the number of deliveries per hour to a record-high and increase the next-day delivery percentage above 90 percent, the team developed two processing solutions designed to consolidate delivery drop points and better organize delivery staging areas.

The team's solutions increased deliveries per hour from 3.77 in fiscal year 2002 to 4.75 in fiscal year 2003 (a 26 percent improvement), processing costs have been reduced from \$29.31 to \$26.47 (a 10 percent improvement) and the percentage of deliveries completed in one day increased to 91 percent.

Team members included ACS employees Richard Bearden, Robert Martin, James Blevins, Tommy McAnally, Troy Blevins, Tom Michal, Lawrence Bradford, Robert Mosley, Charles Conry, Jerry Neil, Kim Crabtree, James Norris, Jimmy Darden, Larry Parks, Cecil Davidson, Doug Powell, Kenny Davidson, Keith Quinn, Willie Dunn, Linda Rawlins, Steve Garner, Ernest Small, Renee' Gunn, Gene Stratton, Doris Hill, James Washington, Dennis Holt, JD Woods, John Kelley, Cindy Yates, Wayne King, Judy Yates and Keith Marshall.

-30-

PAGE FOUR OF FOUR